

CLAIMS:

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1. A combination tag, comprising:  
a retroreflective article having an optical article and a reflective layer;  
wherein the optical article includes an optical surface, an opposite rear  
surface, and a structured surface coextensive with one of the optical surface and the  
rear surface;  
wherein the reflective layer is deposited on at least a portion of the  
structured surface of the optical article;
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- a radio frequency-responsive element including an antenna and an  
integrated circuit, the radio frequency-responsive element having information storage  
and transmission capabilities adapted to enable an interrogation system to obtain  
information from the radio frequency-responsive element; and  
wherein the radio frequency-responsive element is coupled to one of the  
optical surface or rear surface of the retroreflective article.
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2. The combination tag of claim 1 wherein the reflective layer includes  
a non-contiguous metal layer.
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3. The combination tag of claim 2 wherein the reflective layer is a  
metallized ink.
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4. The combination tag of claim 3 wherein the reflective layer has a  
metal content of about 10% to 14% by volume.
5. The combination tag of claim 3 wherein the metal is silver.
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6. The combination tag of claim 1 wherein the optical article includes  
glass microspheres embedded in a spacing resin, and wherein the optical surface and  
rear surface are formed from the spacing resin.
7. The combination tag of claim 6 wherein the reflective layer is  
deposited directly on at least portions of the spacing resin.

8. The combination tag of claim 1, and further comprising security indicia disposed on the optical article.

5           9. A combination tag, comprising:  
a retroreflective article having an optical article and a reflective layer;  
wherein the optical article includes optical elements comprising  
microspheres, the optical article having an optical surface and an opposite structured  
rear surface; and

10           wherein the reflective layer is a non contiguous metallized layer  
deposited on at least a portion of the structured rear surface of the optical article; and

15           a radio frequency-responsive element coupled to the rear surface of the  
article, the radio frequency-responsive element including an antenna and an integrated  
circuit, the radio frequency-responsive element having information storage and  
transmission capabilities adapted to enable an interrogation system to obtain  
information from the radio frequency-responsive element.

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